Question Paper
ANMC Question Paper 2016 - Class 7

Exam ID : TEST/2024/03/10114727 Report Generation Date : 3/26/2024 3:01:51 PM

Q1: A man sells a mare of Rs.1055 making a profit of 5.5%. The cost of the mare is:

A: Rs. 995

B: Rs. 1010

C: Rs. 1015

D: Rs. 1000

Answer: D

Q2: If 6% more is gained by selling an article for Rs. 624 than by selling it for Rs. 600 then the cost of the article is:

A: Rs.500

B: Rs.550

C: Rs.400

D: Rs.300

Answer: C

Q3: If 20% of 10% of 40 = 15% of x, then x is:

A: 5.58

B: 5.25

C: 5.33

D: 5.60

Answer: C

Q4: What is 50% of 40% of 300?

A: 60

B: 20

C: 30

D: 40

Answer: A

Q5: 30% of 1200 = x% of 400, then the value of x is:

A: 90

B: 60

C: 80

D: 85

Answer: A

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Q6: Which of the following is correct?

A: 8/9 < 11/12

B: 23/19 > 29/24

C: Both A & B

D: None of the above

Answer: C

Q7: The ratio between a two-digit number and the sum of the digit of that number is 3 : 1. If the digit in the unit's place is 5 more than the digit in the ten's place, what is the number?

A: 38

B: 27

C: 16

D: 49

Answer: B

Q8: If 4x + 7y = 5 and 64x3 + 343y3 = 110 then the value of the product of x and y is:

A: 28

B: 25

C: 1/25

D: 1/28

Answer: D

Q9: If a – 3b = 2, then the value of (a3 - 27b3 - 18ab) is:

A: 6

B: 8

C: 9

D: 7

Answer: B

Q10: If a = 35, b = 37 and c = 40 then find a3 + b3 + c3 - 3abc - 2121

A: 7

B: 0

C: 4

D: 5

Answer: A

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Q11: If a3 - b3 = 14 and a - b = 6, then the value of (a2 + b2 + ab) is:

A: 7/5

B: 5/7

C: 7/3

D: 5/2

Answer: C

Q12: If a2 + b2 + c2 = 2(2b + c - 3a - 7), then the value of (a + b + c) is:

A: 0

B: 2

C: -1

D: 1

Answer: A

Q13: Give a simple fraction for 6.25

A: 5/8

B: 5/6

C: 25/4

D: 4/7

Answer: C

Q14: 4/5 of 2/3 of 5/6 of 5/8 of 1008 is:

A: 240

B: 260

C: 320

D: 280

Answer: D

Q15: A watch was bought for Rs. 2,568 including 7% VAT. Find its price before the VAT was added.

A: Rs. 2460

B: Rs. 2420

C: Rs. 2400

D: Rs. 2450

Answer: C

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Q16: A car is marked at Rs. 1000000. The dealer allows successive discounts of 20%, 10% and 2 1/3% on it. What is the net selling price of it?

A: Rs. 703224

B: Rs. 703624

C: Rs. 703284

D: Rs. 703574

Answer: A

Q17: The cost of a vehicle after depreciation at the rate of 18% per annum in 2 years is Rs. 80688. The initial cost of vehicle is:

A: Rs. 121000

B: Rs. 120000

C: Rs. 126000

D: Rs. 125000

Answer: B

Q18: On one day a rickshaw puller earned $160. Out of his earnings he spent $128/5 on tea and snacks, $103/2 on food and $82/5 on repairs of the rickshaw. How much did he save on that day?

A: $131/2

B: $133/2

C: $135/2

D: $137/2

Answer: B

Q19: Find the area of a rectangular park which is 183/5 m in length and its breadth is one-third of its length.

A: 11163/25 sq. m.

B: 1163/5 sq. m.

C: 11123/25 sq. m.

D: 1113/5 sq. m.

Answer: A

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Q20: A cord of length 165/2 m has been cut into 24 pieces of equal length. What is the length of each piece?

A: 11/3 m

B: 33/8 m

C: 45/14 m

D: 55/16 m

Answer: D

Q21: Which of the following forms a pair of equivalent rational numbers?

A: 28/35 and 36/45

B: 36/42 and 30/36

C: 40/45 and -35/40

D: -27/36 and -18/27

Answer: A

Q22: Simplify the following: (51/2 + 111/2)2 + (51/2 - 111/2)2

A: 32

B: 25

C: 34

D: 30

Answer: A

Q23: If x = 2 - 31/2 then the value of x2 + 1/x2 is:

A: 11

B: 14

C: 12

D: 13

Answer: B

Q24: If 3x + 1/4x = 15 then find the value of 16x2 + 1/9x2

A: 1190/3

B: 1192/3

C: 1195/3

D: 1194/3

Answer: B

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Q25: If 6x2 - 6x + 1 = 0 then find the value of 36x2 + (1/x)2:

A: 24

B: 36

C: 48

D: 18

Answer: A

Q26: If x4 + x-4 = 47 then find the value of (x + x-1) – 3

A: 0

B: 3

C: -2

D: 1

Answer: A

Q27: If a/b + b/a = -1 then find the value of (a3 – b3)/5

A: 0

B: 1

C: 2

D: -1

Answer: A

Q28: Find the value of: 1/(3 2/5) + 1/(4 5/9) + 1/(3/7)

A: 5957/2091

B: 5951/2091

C: 5955/2091

D: 5953/2091

Answer: D

Q29: Evaluate the following: 8 1/4 ÷ (27)1/3 – 5 1/4

A: 5/2

B: –3/2

C: –5/2

D: 3/2

Answer: C

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Q30: 14 2/3 + 12 1/3 – 18 1/3 + 4/9 =?

A: 80/9

B: 82/9

C: 83/9

D: 85/9

Answer: B